

AMENDMENTS TO THE SPECIFICATION:

Please amend paragraph [030] as follows :

The real time capability of this effect is made possible by a Real time video editing system architecture and described in commonly assigned co-pending U.S. patent applications: US 09/653,701, US 09/653,703 (now issued as US Patent No. 6,763,175) and US 09/653,704 (now issued as US Patent No. 6,763,176), ~~all incorporated herein by reference.~~

Please amend paragraph [053] as follows :

In such physical equations, we can take into account real world attributes such as position, speed and gravity. Further attributes can be used such as direction, dispersion, progression, spread, softness, etc. The position and the orientation of each vertex constituting the particles are computed at each field by the particle system algorithm depending on the effect progression and the keyframes provided by the user. As illustrated in FIG. 1, the user chooses, using the video editing controller 32, the parameters that are going to be used for the effect. The particles can be made to vanish as they explode, the background particles can fade or go forward as the others are sent backwards, etc. ~~The parameters are stored in the video effect storage 35 and are transferred between the video effect control module 30 and the video editing controller 32 using channel 44.~~

Please amend paragraph [054] as follows :

Before rendering the field result to the output surface, the video source, which has been selected by the user in the video effect control module 30, is transferred to a temporary surface with a blit command ~~in the graphic overlay memory 34. Information is transferred between the graphics engine command interface 24 and the video effect control module 30 via channel 43.~~ The graphics chip or engine 36 performs this blit

command and all subsequent 2D and 3D operations. A border softness is then applied around the temporary surface in order to smooth the edges. Then, the particles can be rendered to the output surface.

Please amend paragraph [064] as follows :

FIG. 6 is a flow chart of the rendering operations described previously. The user first enters parameters 85. The selection of the video sources is then made 86. The video source is blit into a temporary surface 87. The border softness is applied to the video source 88. The particles are texture mapped with two texture stages, the particle shapes and the video source 89. Finally, the information that the graphics engine has completed the 2D and 3D operations is sent to the video effect control module 30₂-via feedback command 90.